



| Form PTO-1449<br>(Rev. 7-80)<br>42-44F (F-49)   |                   | U.S. Department of Commerce<br>Patent and Trademark Office | Atty. Docket No.: F-7229 | Serial No.: 09/989,274 |       |          |                               |
|---|-------------------|--|--------------------------|------------------------|-------|----------|-------------------------------|
| INFORMATION DISCLOSURE CITATION<br>(Use several sheets if necessary)  |                   | Applicant: Akihiko NAGATA, et al.                          |                          |                        |       |          |                               |
|   |                   | Filing Date: November 20, 2001                             |                          | Group: 2632            |       |          |                               |
| U.S. PATENT DOCUMENTS   |                   |  |                          |                        |       |          |                               |
| Examiner Initial  |                   | Document Number  | Date                     | Name                   | Class | Subclass | Filing Date<br>If Appropriate |
|   |                   |  |                          |                        |       |          |                               |
| FOREIGN PATENT DOCUMENTS  |                   |  |                          |                        |       |          |                               |
|   |                   | Document Number  | Date                     | Country                | Class | Subclass | Translation                   |
|   |                   | 6-12846  | 1/21/1994                | JP                     | —     | —        | Y*                            |
| <i>ECD</i>  |                   | 10-66165   | 3/6/1998                 | JP                     | —     | —        | Y*                            |
| <p>TRANSLATION KEY: * English Abstract. <sup>F</sup> Concise statement of relevance provided in foreign search report.<br/> <sup>C</sup> Concise statement of relevance provided in specification. <sup>S</sup> Concise statement of relevance provided in IDS.<br/> <sup>P</sup> Relevant portion of reference translated. <sup>O</sup> English abstract only - copy of reference in pct search.</p> |                   |  |                          |                        |       |          |                               |
| OTHER INFORMATION DISCLOSURE CITATIONS (Including Author, Title, Date, Pertinent Pages, Etc.)   |                   |  |                          |                        |       |          |                               |
| EXAMINER  | <i>Ed C. Cole</i> |  |                          | DATE CONSIDERED        |       |          |                               |
| EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.  |                   |  |                          |                        |       |          |                               |